Phoenix Lake IRWM Retrofit

Attachment 4 - Budget

1.0 General Overview of Budget

This Attachment presents the budget for the Phoenix Lake IRWM Retrofit. Included are detailed estimates of costs and funding sources for all five component projects comprising the Retrofit. Also included are summary budgets for all five projects and a summary budget for the whole Retrofit proposal.

2.0 Explanation of Budget Items in Detailed Project Budgets

Following are notes that provide explanations and rationale for the various budget items.

- 1. Budget category (a) Direct Project Administration costs are less than 5% of the individual project costs and the overall proposal cost. These costs have been generally allocated across the five projects according the each project's proportion of the total proposal construction cost. Specific additional costs in this category, e.g., preparation of an MOA between FZ9 and MMWD, have been allocated according to the needs of the individual projects, as noted in Attachment 3, Workplan.
- 2. Budget category (b) Land Purchase/Easement has no cost because all proposal activities occur on property owned by MMWD; therefore, no land purchases or easements are needed.
- 3. Budget category (c) Planning/Design//Engineering/Environmental Documentation costs have been allocated according to the needs of the individual projects, except Environmental Documentation which has been allocated across the five projects according the each project's proportionate share of the total proposal construction cost, as noted in Attachment 3, Workplan.
 - A contingency of 25% has been assigned to this category for all projects because all projects are currently at the Concept (30%) Design stage and no environmental review or permitting work has been completed, except for an initial, informal consultation regarding dam issues with DSOD. The contingency is intended to cover unforeseen requirements that might arise as the projects progress through further stages of design, environmental review, and permitting.
- 4. Budget category (d) Construction/Implementation costs have been allocated according to the needs of the individual projects, as noted in Attachment 3, Workplan.

Construction costs derive primarily from the estimated costs given in the Concept (30%) Design memoranda for the various projects as indicated in Attachment 3, Workplan.

5. Budget category (e) Environmental Compliance/Mitigation/Enhancement costs have been allocated according to the needs of the individual projects, as noted in Attachment 3, Workplan.

A contingency of 25% has been assigned to this category for all projects because all projects are currently at the Concept (30%) Design stage and no environmental review or permitting work, such as informal consultations with resource agencies, has been completed. The contingency is intended to cover unforeseen environmental compliance and mitigation requirements that might arise as the projects progress through further stages of design, environmental review, and permitting.

6. Budget category (f) Construction Administration costs have been allocated according to the needs of the individual projects, as noted in Attachment 3, Workplan.

Costs include labor (a melded staff rate of \$80 per hour) and resources that will be expended by FZ9 and MMWD staff to monitor field construction work and administer contracts.

3.0 Explanation of Budget Items in Summary Budgets

Following are notes that provide explanations and rationale for the various budget items.

- 1. The summary budgets show a 50%/50% funding match for all projects categories across all projects. The source of the Non-State share is the FZ9 drainage fee.
- 2. A contingency of 25% has been assigned to Construction/Implementation Contingency for all projects because all projects are currently at the Concept (30%) Design stage and no environmental review or permitting work, such as informal consultations with resource agencies, has been completed. The contingency is intended to cover unforeseen construction costs that might arise as the projects progress through further stages of design, environmental review, and permitting and any unlisted items not detailed in the construction cost estimate.

Table 1a Project Budget

Proposal Title: Phoenix Lake IRWM Retrofit

Project Title: Flood Damage Reduction Project

		(a)	(b)	(c)	(d)	(e)
Bı	idgetary Category	Non-State Share * (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs	\$203,000	\$202,000	\$0	\$405,000	50%
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0	
I	Planning/Design/ Engineering/ Environmental Documentation	\$397,000	\$396,000	\$0	\$793,000	50%
(d)	Construction/ Implementation	\$4,126,000	\$4,125,000	\$0	\$8,251,000	50%
(e)	Environmental Compliance/ Mitigation/ Enhancement	\$131,000	\$130,000	\$0	\$261,000	50%
(f)	Construction Administration	\$202,000	\$202,000	\$0	\$404,000	50%
(g)	Other Costs	\$0	\$0	\$0	\$0	
(h)	Construction/ Implementation Contingency (25%)	\$1,032,000	\$1,031,000	\$0	\$2,063,000	50%
(i)	Grand Total	\$6,089,000	\$6,088,000	\$0	\$12,177,000	50%

^{*} Non-State funding source: FZ9 drainage fee

Table 1b Project Budget

Proposal Title: Phoenix Lake IRWM Retrofit

Project Title: Water Supply Project

		(a)	(b)	(c)	(d)	(e)
Bu	dgetary Category	Non-State Share * (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs	\$15,000	\$15,000	\$0	\$30,000	50%
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0	
(c)	Planning/Design/ Engineering/ Environmental Documentation	\$71,000	\$70,000	\$0	\$141,000	50%
(d)	Construction/ Implementation	\$138,000	\$137,000	\$0	\$275,000	50%
(e)	Environmental Compliance/ Mitigation/ Enhancement	\$75,000	\$75,000	\$0	\$150,000	50%
(f)	Construction Administration	\$9,000	\$8,000	\$0	\$17,000	50%
(g)	Other Costs	\$0	\$0	\$0	\$0	
(h)	Construction/ Implementation Contingency (25%)	\$35,000	\$34,000	\$0	\$69,000	50%
(i)_	Grand Total	\$341,000	\$341,000	\$0	\$682,000	50%

^{*} Non-State funding source: FZ9 drainage fee

Table 1c Project Budget

Proposal Title: Phoenix Lake IRWM Retrofit

Project Title: Water Quality Project

		(a)	(b)	(c)	(d)	(e)
Bı	udgetary Category	Non-State Share * (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs	\$2,500	\$2,500	\$0	\$5,000	50%
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0	
I	Planning/Design/ Engineering/ Environmental Documentation	\$12,000	\$12,000	\$0	\$24,000	50%
(d)	Construction/ Implementation	\$68,000	\$67,000	\$0	\$135,000	50%
(e)	Environmental Compliance/ Mitigation/ Enhancement	\$75,000	\$75,000	\$0	\$150,000	50%
(f)	Construction Administration	\$17,000	\$17,000	\$0	\$34,000	50%
(g)	Other Costs	\$0	\$0	\$0	\$0	
(h)	Construction/ Implementation Contingency (25%)	\$17,000	\$17,000	\$0	\$34,000	50%
(i)	Grand Total	\$191,000	\$191,000	\$0	\$382,000	50%

^{*} Non-State funding source: FZ9 drainage fee

Table 1d Project Budget

Proposal Title: Phoenix Lake IRWM Retrofit

Project Title: Ecosystem Restoration Project

		(a)	(b)	(c)	(d)	(e)
Bı	udgetary Category	Non-State Share * (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs	\$2,500	\$2,500	\$0	\$5,000	50%
(b)	Land Purchase/Easement	\$0	\$0	\$0		
I	Planning/Design/ Engineering/ Environmental Documentation	\$50,000	\$49,000	\$0	\$99,000	50%
(d)	Construction/ Implementation	\$65,000	\$65,000	\$0	\$130,000	50%
(e)	Environmental Compliance/ Mitigation/ Enhancement	\$0	\$0	\$0		50%
(f)	Construction Administration	\$2,000	\$2,000	\$0	\$4,000	50%
(g)	Other Costs	\$0	\$0	\$0		
(h)	Construction/ Implementation Contingency (25%)	\$17,000	\$16,000	\$0	\$33,000	50%
(i)	Grand Total	\$136,000	\$135,000	\$0	\$271,000	50%

^{*} Non-State funding source: FZ9 drainage fee

Table 1e Project Budget

Proposal Title: Phoenix Lake IRWM Retrofit

Project Title: Recreation and Public Access Project

		(a)	(b)	(c)	(d)	(e)
Bı	idgetary Category	Non-State Share * (Funding Match)	Requested Grant Funding	Other State Funds Being Used	Total	% Funding Match
(a)	Direct Project Administration Costs	\$31,000	\$30,000	\$0	\$61,000	50%
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0	
I	Planning/Design/ Engineering/ Environmental Documentation	\$110,000	\$109,000	\$0	\$219,000	50%
(d)	Construction/ Implementation	\$554,000	\$554,000	\$0	\$1,108,000	50%
(e)	Environmental Compliance/ Mitigation/ Enhancement	\$6,500	\$6,500	\$0	\$13,000	50%
(f)	Construction Administration	\$66,000	\$66,000	\$0	\$132,000	50%
(g)	Other Costs	\$0	\$0	\$0	\$0	
(h)	Construction/ Implementation Contingency (25%)	\$139,000	\$138,000	\$0	\$277,000	50%
(i)	Grand Total	\$905,000	\$905,000	\$0	\$1,810,000	50%

^{*} Non-State funding source: FZ9 drainage fee

Table 2 Summary Budget

Proposal Title: Phoenix Lake IRWM Retrofit

		(a)	(b)	(c)	(d)	(e)
Ind	ividual Project Title	Non-State Share * (Funding Match)	Requested Grant Funding (DWR Grant Amount)	Other State Funds Being Used	Total	% Funding Match
(a)	Flood Damage Reduction Project	\$6,089,000	\$6,088,000	\$0	\$12,177,000	50%
(b)	Water Supply Project	\$341,000	\$341,000	\$0	\$682,000	50%
(c)	Water Quality Project	\$191,000	\$191,000	\$0	\$382,000	50%
(d)	Ecosystem Recreation Project	\$136,000	\$135,000	\$0	\$271,000	50%
(e)	Recreation and Public Access Project	\$905,000	\$905,000	\$0	\$1,810,000	50%
(f)	Grand Total	\$7,661,000	\$7,661,000	\$0	\$15,322,000	50%

^{*} Non-State funding source: FZ9 drainage fee

Proposal Title: Phoenix Lake IRWM Retroft
Project Title: Flood Damage Reduction Project

									Project T	itle: Flood I	Damage Ro	eduction P	roject											-
							otechnical I		g			,	1,			Hydrogr Consul	tant/	Flood Zone			D			
	Civ	il Engineer	ring Consult	tant/Contra	actor	C	onsultant/C	Contractor	Sto	off and Classi		nmental Cor	nsultant/Cor	tractor		Contra	ction	9	MMWD		Firms Totals			1
		Ι	gic	-			Tel	_	Sta		s s		lyst	50	Т			ant	tor					1
	roject	gineer	'drolo	Design	ative	/Project	otechnic neer	Design	ative	roject	isheri st)	ist	ntal Ana	Technical Writing Editor	ative	pher	ian	ger/Gr rator	Project nator/Inspect		Expenses			
	ipal/F fanag	ct En	ulic/Hydr Engineer	CAD De Engineer	ninist	ipal/F fanag	ct Geot Engine	AD Des	ninist	ncipal/Proj Manager	ogist (Fishe Scientist)	Biologist	menta	nical 'Edito	ninistr	Hydrographe	schnic	Manag ninist	Projec ator/I		Subcontractors		C	
	Princ	Project Engi	Hydrau	AutoC	Adn	Princ N	roject E	Auto(Adn	Princ N	3iolog S	щ	ıviron	Techi	Adn	Hyc	Ţ	oject Ma	oordin	On Labor	Soils/Materials/		Construction Contractor	
							Д.			ling Rates an	d Hours		Er					Pro	ŭ	Labor Cost (3%)	Drilling Water Testing Lal	Total Cost	Total cost	Total Co
	\$185	5 \$17.	5 \$155	\$110	\$60	\$195	\$180	\$110	\$60	\$140	\$120	\$100	\$100	\$80	\$60	\$100	\$80	\$80	\$80					-
Budget Category (a): Direct Project Administration Costs		T				l I					Ī			l I					П		T T			4
Task 1: Administration																		3860	60	\$ 313,600 \$ 9,408		\$ 323,008		\$ 323,
Task 2: Labor Compilance Program																		500		\$ 40,000 \$ 1,200		\$ 41,200		\$ 41,
Task 3: Reporting																		500		\$ 40,000 \$ 1,200		\$ 41,200		\$ 41,
Subtotal																				\$ 393,600 \$ 11,808		\$ 405,408		\$ 405,
Budget Category (b): Land Purchase/Easement																								
Not needed]
Budget Category (c): Planning/Design/Engineering/ Environmental Documentation																								
Task 4: Assessment and Evaluation	10	0 7.	5 100)	10	30	60		10									60	40	\$ 56,325 \$ 1,690	\$ 65,000 \$ 21,000	\$ 144,015		\$ 144,0
Task 5: Final Design	5(0 8	0 60	180	0 40	100	200	80	20									60	60	\$ 129,850 \$ 3,896	21,000	\$ 133,746		\$ 133,
Task 6: Environmental Documentation	10	0		100		100	200	30	20	200	300	400	650	200	150			120		\$ 217,400 \$ 6,522		\$ 223,922		\$ 223,9
	40	4	0			60	100								75									
Task 7: Permitting		4	0			60	100			100	100	100	325	100	/5			100	40	\$ 128,900 \$ 3,867		\$ 132,767		\$ 132,7
Sub-Subtotal																				\$ 532,475 \$ 15,974		\$ 634,449		\$ 634,4
Contingency (25%)										0.25										\$ 133,119 \$ 3,994		\$ 158,612		\$ 158,6
Subtotal																				\$ 665,594 \$ 19,968		\$ 793,062		\$ 793,0
Budget Category (d): Construction/Implementation		T	T	T		l I		1		<u> </u>			ı	<u> </u>					1			1		
Task 8: Construction Contracting		6	0			20	100											40	40	\$ 38,800 \$ 1,164	\$ 30,000		\$ 39,964	\$ 39,9
Task 9: Construction																			, .	\$ - \$ -			\$ 8,212,000	\$ 8,212,0
Subtask 9.1 Mobilization and Site Preparation																				\$ - \$ -			\$ 430,000	\$ 430,0
Subtask 9.2 Project Construction																				\$ - \$ -			\$ 7,632,000	\$ 7,632,
Subtask 9.3 Performance Testing and Demobilization									_											\$ - \$ -			\$ 100,000	\$ 100,0
Subtask 9.4 Monitoring system																				\$ - \$ -			\$ 50,000	\$ 50,0
Subtotal									'	<u>'</u>				•			'			\$ 38,800 \$ 1,164			\$ 8,251,964	\$ 8,251,9
Budget Category (e): Environmental compliance/Mitigation/Enhancement																							., ,	,,
Task 10: Environmental Compliance/Mitigation/Enhancement	40)				40						600			T			60	80	\$ 86,400 \$ 2,592		\$ 89,000	\$ 150,000	\$ 239,0
*	40	71	1	1	1	40		1		0.25		000	1	<u> </u>	1			00	60				φ 130,000	1
Contingency (25%)										0.25										\$ 21,600 \$ 648		\$ 22,250	Φ	\$ 22,2
Subtotal																				\$ 108,000 \$ 3,240		\$ 111,250	\$ 150,000	\$ 261,2
Budget Category (f): Construction Administration																T								4
Task 11: Construction Administration	20) 80	0			240	1200					800			\dashv			200	200	\$ 392,500 \$ 11,775		\$ 404,300		\$ 404,
Total Hours	160		_		50	490	1660		30	300	400	1900		300	225	0	0	5500		13,345				4
Total Costs	\$ 29,600	\$ 58,625	\$ 24,800	\$ 19,800	\$ 3,000	\$ 95,550	\$ 298,800	\$ 8,800	\$ 1,800	\$ 42,000	\$ 48,000	\$ 190,000	\$ 97,500	\$ 24,000 \$	13,500	\$ -	\$ -	\$ 440,000	\$ 48,000	\$ 1,443,775 \$ 47,955		\$ 1,714,000	<u>\$ 8,402,000</u>	\$ 10,116,0

Proposal Title: Phoenix Lake IRWM Retroft
Project Title: Water Supply Project

									Proj	ect Title:	Water Sup	ply Project													_
	G'	uil Eu	ering Consult	tomt/Ct			eotechnical		3		F		nsultant/Coi	twootor		Consu		Flood Zone	MMWD			Firms Tr4-1-			
	Civ	vil Enginee	ering Consult	tant/Contra	ictor		Consultant/C	Contractor	Staf	ff and Class		onmental Co	nsultant/Cor	tractor		Contr	action	9	MMWD			Firms Totals			4
	Principal/Project Manager	Project Engineer	Iydraulic/Hydrologic Engineer	AutoCAD Design Engineer	Administrative	Principal/Project Manager	Project Geotechnical Engineer	AutoCAD Design Engineer	Administrative	Principal/Project Manager	Biologist (Fisheries Scientist)	Biologist	nvironmental Analys	Technical Writing Editor	Administrative	Hydrographer	Technician	roject Manager/Grant Administrator	Project coordinator/Inspector	Labor Cost	On Labor	Subcontractors Soils/Materials/ Water Testing Lab		Construction Struction Contractor I Cost Total cost	
				0440		040#	4400	2110	Bill	ing Rates a	nd Hours	4400	山		410	0100	***	- A	Ü	Labor Cost	(3%) Dri	ining Water Testing Lab	1 ota	T Cost Total cost	Total Cost
Budget Category (a): Direct Project Administration Costs	\$185	5 \$17	75 \$155	\$110	\$60	\$195	\$180	\$110	\$60	\$140	\$120	\$100	\$100	\$80	\$60	\$100	\$80	\$80	\$80						
Task 1: Administration																		240	60	\$ 24,000	\$ 720		s	24,720	\$ 24,720
Task 2: Labor Compilance Program																		30)	\$ 2,400			\$	2,472	\$ 2,472
Task 3: Reporting																		30)	\$ 2,400			\$	2,472	\$ 2,472
Subtotal			1				I							1						\$ 28,800			\$	29,664	\$ 29,664
Budget Category (b): Land Purchase/Easement																				,				,	
Not needed																									1
Budget Category (c): Planning/Design/Engineering/ Environmental Documentation																									1
Task 4: Assessment and Evaluation	10	0 7	75 100	0	10)												Ā	5	\$ 31,875	\$ 956		\$	32,831	\$ 32,831
Task 5: Final Design	40	0 10	00 20	0 200	20)												Ā	5	\$ 52,000	\$ 1,560		\$	53,560	\$ 53,560
Task 6: Environmental Documentation	10	0								10	20	20	40	10	5			10	5	\$ 13,950	\$ 419		\$	14,369	\$ 14,369
Task 7: Permitting	20	.0	40															10	5	\$ 11,900	\$ 357		\$	12,257	\$ 12,257
Sub-Subtotal																				\$ 109,725	\$ 3,292		\$	113,017	\$ 113,017
Contingency (25%)										0.25										\$ 27,431	\$ 823		\$	28,254	\$ 28,254
Subtotal																				\$ 137,156	\$ 4,115		\$	141,271	\$ 141,271
Budget Category (d): Construction/Implementation																									
Task 8: Construction Contracting	20	0 6	60															20	20	\$ 17,400	\$ 522			\$ 17,922	2 \$ 17,922
Task 9: Construction																				\$ -	\$ -			\$ 257,000	\$ 257,000
Subtask 9.1 Mobilization and Site Preparation																				\$ -	\$ -			\$ 12,000	\$ 12,000
Subtask 9.2 Project Construction																				\$ -	\$ -			\$ 237,000	\$ 237,000
Subtask 9.3 Performance Testing and Demobilization																				\$ -	\$ -			\$ 8,000	\$ 8,000
Subtask 9.4 Monitoring system																				\$ -	\$ -				_ \$ -
Subtotal																				\$ 17,400	\$ 522			\$ 274,922	\$ 274,922
Budget Category (e): Environmental compliance/Mitigation/Enhancement		_	1	_	1		ı				1			1			1	_	•				ı		4
Task 10: Environmental Compliance/Mitigation/Enhancement																				\$ -	\$ -		\$	- \$ 150,000	\$ 150,000
Contingency (25%)										0.25										\$ -	\$ -		\$	-	s -
Subtotal																				\$ -	\$ -		\$	- \$ 150,000	\$ 150,000
Budget Category (f): Construction Administration							ı	1 1															ı		4
Task 11: Construction Administration	10	0 6	60															20	30	\$ 16,350	\$ 491		\$	16,800	\$ 16,800
Total Hours	110	0 33				0	(0	0	10	20	20	40	10	5	0	0	370		1,400	1				4
Total Costs	\$ 20,350	\$ 58,625	\$ 18,600	\$ 22,000	\$ 1,800	\$ -	\$ -	\$ -	\$ -	\$ 1,400	\$ 2,400	\$ 2,000	\$ 4,000	\$ 800 \$	300	\$ -	\$ -	\$ 29,600	\$ 10,400	\$ 172,275	\$ 5,991		\$	188,000 \$ 425,000	\$ 613,000

Proposal Title: Phoenix Lake IRWM Retroft

									Pro	oject Title:	Water Qua	ality Project											-
						G	Geotechnical	Engineerin	ıg								grapher ultant/	Flood Zone					
	Civ	vil Enginee	ring Consu	ltant/Contr	ractor		Consultant/	Contractor				onmental Co	nsultant/Co	itractor		Contr	raction	9	MMWD	Firms Totals			ł
		1	.2	1	1	l I	=	T	S	taff and Cla	assifications	T	l st	T 1		l l	l I	t t	J.C				-
	ıcipal/Project Manager	Project Engineer	Hydraulic/Hydrolog Engineer	oCAD Design Engineer	ministrative	ncipal/Project Manager	ct Geotechnica Engineer	AutoCAD Design Engineer	ministrative	ncipal/Project Manager	ogist (Fisheries Scientist)	Biologist	ımental Analy	Technical Writing Editor	ministrative	Hydrographer	Technician	ect Manager/Gra Administrator	Project nator/Inspecto	Expenses Subcontractors		Construction	
	Prin	Proj	Hydra	Aute	Adı	Prin	Projec	Auto	Admi	اتان Billing Rates	Biol		Enviro	Tech	PV	Ĥ	L	Project Ac	Coordi	Labor Cost On Labor (3%) Drilling Soils/Material: Water Testing I			Total Cost
	\$185	5 \$17	5 \$155	\$110	\$60	\$195	\$180	\$110	\$60	\$140	\$120	\$100	\$100	\$80	\$60	\$100	\$80	\$80	\$80				1
Budget Category (a): Direct Project Administration Costs			1	1		T	T		1	T		T	T	T		T	T	T	1		<u> </u>		
Task 1: Administration																		45		\$ 3,600 \$ 108	\$ 3,708		\$ 3,708
Task 2: Labor Compilance Program																		10		\$ 800 \$ 24	\$ 824		\$ 824
Task 3: Reporting																		10		\$ 800 \$ 24	\$ 824		\$ 824
Subtotal																				\$ 5,200 \$ 156	\$ 5,356		\$ 5,356
Budget Category (b): Land Purchase/Easement																							
Not needed]
Budget Category (c): Planning/Design/Engineering/ Environmental Documentation																							İ
Task 4: Assessment and Evaluation																60) 60) 10	10	\$ 12,400 \$ 372	\$ 12,772		\$ 12,772
Task 5: Final Design																		5	5	\$ 800 \$ 24	\$ 824		\$ 824
Task 6: Environmental Documentation		5									5	5 4	5 10	5				5	5	\$ 5,225 \$ 157	\$ 5,382		\$ 5,382
		J										, .	10	, 3				3	5	\$ 400 \$ 12	\$ 3,382		\$ 412
Task 7: Permitting Sub-Subtotal			1	1		ı			I			1	I				I	I	3				
											\.										\$ 19,390		\$ 19,390
Contingency (25%)										0.2	25									\$ 4,706 \$ 141	\$ 4,847		\$ 4,847
Subtotal																				\$ 23,531 \$ 706	\$ 24,237		\$ 24,237
Budget Category (d): Construction/Implementation			Τ	I	<u> </u>	l I		T		Ι	l	Τ	1	П		Ι	l	I					1
Task 8: Construction Contracting	10	0 4	.0															20	10	\$ 11,250 \$ 338		\$ 11,588	\$ 11,588
Task 9: Construction																			l	\$ - \$ -		\$ 123,000	\$ 123,000
Subtask 9.1 Mobilization and Site Preparation																				s - s -		\$ 3,000	\$ 3,000
Subtask 9.2 Project Construction																				s - s -		\$ 108,000	\$ 108,000
Subtask 9.3 Performance Testing and Demobilization																				\$ - \$ -		\$ 2,000	\$ 2,000
Subtask 9.4 Monitoring system																				\$ - \$		\$ 10,000	\$ 10,000
Subtotal																				\$ 11,250 \$ 338		\$ 134,588	\$ 134,588
Budget Category (e): Environmental compliance/Mitigation/Enhancement		T	_			,		_	T	_			T	, , , , , , , , , , , , , , , , , , ,		,	,						
Task 10: Environmental Compliance/Mitigation/Enhancement																				\$ - \$ -	\$ -	\$ 150,000	\$ 150,000
Contingency (25%)										0.2	25									\$ - \$	\$ -		\$ -
Subtotal																				\$ - \$ -	\$ -	\$ 150,000	\$ 150,000
Budget Category (f): Construction Administration																							
Task 11: Construction Administration	10	0 6	0															20	30	\$ 16,350 \$ 491	\$ 16,800	\$ 17,300	\$ 34,100
Total Hours	25	5 10	0 () () () 0		0 0) 4	5	, ,	10) 5		60) 60	125	65	470		,90	1,-30
Total Costs	\$ 4,625	\$ 17,500) \$ -	\$ -	\$ -	\$ -	\$ -	- \$ -	\$ -	\$ 700	\$ 600	\$ 500	\$ 1,000	\$ 400	\$ 300	\$ 6,000	\$ 4,800	\$ 10,000	\$ 5,200		\$ 46,000	\$ 285,000	\$ 331,000

Proposal Title: Phoenix Lake IRWM Retroft

Project Title: Ecosystem Restoration Project

									Floject	Title, Eco	system Ke	storation P	тојест												
	Civi	il Engineer	ring Concu	ltant/Contra	etor		Geotechnical Consultant/		g		Fnvin	onmental C	onsultant/Cor	tractor		Hydrograp Consultan Contractio	t/ Flood Z	one MMWD			E	Firms Totals			1
	CIVI	ii Eligilieei	ing Consu	itani/Contra	ictor		Consultant	Contractor	Si	taff and Cla	ssifications		onsultant/Cor	iti actoi		Contractio	<u> </u>	MATTE			F	iriis Totais			
	t		gic	п		1	cal	п		t .	s		ılyst	50			rant	ctor			F			T	1
	rojec	ginee	drolo	Desig	ative	rojec	echni	Desig	ative	rojec	isheri st)	ist	Il Ana	Writin	ative	pher	ian ger/G	Project inator/Inspec			Expense	.s 			
	ncipal/Proj Manager	Project Eng	aulic/Hydro Engineer	CAD	ninist	ncipal/Proj Manager	Geot	CAD	ninist	ncipal/F Manag	ogist (Fishe Scientist)	Biolog	mentz	nical ' Edito	ninist	Irogra	chnic Mana minist	Project nator//			Su	ubcontractors		Construction	
	Princ	Proje	Hydrau	AutoCAD Des Engineer	Adn	Princ	roject Ge Engi	AutoCAD Des Engineer	Adn	Princ	Biolog	щ	viron	Теси	Adn	Hyc	Te Sject J	oordir				Soils/Materials/	Non-Construction	on Contractor	
			н				Ъ		В	illing Rates	and Hours		固				益	ŭ	Labor Cost	On Labor (3%)	Drilling	Water Testing Lab	Total Cost	Total cost	Total Cost
	\$185	\$17:	5 \$155	\$110	\$60	\$195	\$180	\$110	\$60	\$140	\$120	\$100	\$100	\$80	\$60	\$100	80 \$80	\$80							d
Budget Category (a): Direct Project Administration Costs		ı	T	T		ı	T	T		ı	I	I	1	ı			<u> </u>	1	1	1	1		1	1	4
Task 1: Administration																		45	\$ 3,600	\$ 108			\$ 3,70	8	\$ 3,708
Task 2: Labor Compilance Program																		10	\$ 800	\$ 24			\$ 82	4	\$ 824
Task 3: Reporting																		10	\$ 800	\$ 24			\$ 82	4	\$ 824
Subtotal																			\$ 5,200	\$ 156			\$ 5,35	6	\$ 5,356
Budget Category (b): Land Purchase/Easement																									1
Not needed																									1
Budget Category (c): Planning/Design/Engineering/ Environmental Documentation																									1
Task 4: Assessment and Evaluation																75	75	5	5 \$ 14,300	\$ 429		Τ	\$ 14,72		\$ 14,729
			-	- 20												13	73								
Task 5: Final Design			5 :	5 20														5	5 \$ 4,650			+	\$ 4,79		\$ 4,790
Task 6: Environmental Documentation	5									5	5		5 10	5	5	5		5	5 \$ 5,225			+	\$ 5,38	2	\$ 5,382
Task 7: Permitting	40	2	0							20	100	10	00	10	10)		100 10	0 \$ 53,100	\$ 1,593		+	\$ 54,69	3	\$ 54,693
Sub-Subtotal																			\$ 77,275	\$ 2,318			\$ 79,59	3	\$ 79,593
Contingency (25%)										0.2	5								\$ 19,319	\$ 580		<u> </u>	\$ 19,89	8	\$ 19,898
Subtotal																			\$ 96,594	\$ 2,898			\$ 99,49	2	\$ 99,492
Budget Category (d): Construction/Implementation																									
Task 8: Construction Contracting		:	5															5	5 \$ 1,675	\$ 50				\$ 1,725	\$ 1,725
Task 9: Construction																			\$ -	\$ -				\$ 128,000	\$ 128,000
Subtask 9.1 Mobilization and Site Preparation																			s -	s -				\$ 6,000	\$ 6,000
Subtask 9.2 Project Construction																			¢	¢				\$ 12,000	
																			g -	φ -					
Subtask 9.3 Performance Testing and Demobilization																				φ -				\$ 5,000	
Subtask 9.4 Monitoring system		<u> </u>				<u> </u>				<u> </u>		L		<u>i </u>					\$ -	\$ -	 	+		\$ 105,000	
Subtotal																			\$ 1,675	\$ 50				\$ 129,725	\$ 129,725
Budget Category (e): Environmental compliance/Mitigation/Enhancement																<u> </u>									4
Task 10: Environmental Compliance/Mitigation/Enhancement																			\$ -	\$ -			\$	-	\$ -
Contingency (25%)										0.2	5								\$ -	\$ -	ļ	 	\$	-	\$ -
Subtotal																			s -	\$ -	<u></u>		\$	- \$ -	s -
Budget Category (f): Construction Administration																									4
Task 11: Construction Administration	5	10	0															5	5 \$ 3,475	\$ 104			\$ 3,60	0	\$ 3,600
Total Hours	50	40	0 4	5 20	0	0)	0 0	0	25	105	10)5 10	15	15	75	75	190 12	5 855						1
Total Costs	\$ 9,250	\$ 7,000	\$ 775	\$ 2,200	\$ -	\$ -	s -	- \$ -	\$ -	\$ 3,500				\$ 1,200	\$ 900	\$ 7,500 \$,,,	.,,,		\$ 3,208			\$ 108,00	0 \$ 130,000	\$ 238,000
	,== 3	1,	1	1 -,	, , , , , , , , , , , , , , , , , , ,	I .	1.	1	<u> </u>	,		1,	1,50	,		1 / 1/2/22		,	1,,,,,,,,	1 -,-,0	L				J

Proposal Title: Phoenix Lake IRWM Retroft
Project Title: Recreation and Public Access Project

Name of the second plane and plane a									Proje	ct Title:	Recreation	n and Publ	ic Access P	roject											_
The state of the		Civi	il Engineerin	ng Consulta	nt/Contract	tor				3		Enviro	nmental Co	nsultant/Co	ntractor		Consu	ltant/				Firms Totals			
Part			<u> </u>							Staf	f and Class														ā .
1		roject	jineer	drologic er	esign er	ative	roject sr	chnical er	Design er	ative	roject	sheries t)	st	l Analys	Vriting	ative	oher	an	er/Grant ator	t nspector		Expenses			
1		incipal/P	oject Eng	raulic/Hy Engine	toCAD E Engine	vdministr:		ect Geote Engine	rtoCAD Γ Engineα	xdministra		logist (Fi	Biologi	onmenta	chnical V Editor	xdministra	łydrograp	Technici	ct Manag Administr	Project dinator/Ir					
The Entertain Company of the Control of Company of Control of Cont		Pr		Hydı	Au	▼		Proj	Au	< Billi	ng Rates ar	.og md Hours		Envir		₹			Proj	Coor					Total Cos
Tell 1 fact from the form of t		\$185	\$175	\$155	\$110	\$60	\$195	\$180	\$110	\$60	\$140	\$120	\$100	\$100	\$80	\$60	\$100	\$80	\$80	\$80					
Take Suppring Take S	Budget Category (a): Direct Project Administration Costs		П			1								1	I	l		Т				T T			4
Tak S Ligaring March Marc	Task 1: Administration																		600)	\$ 48,000 \$ 1,440		\$ 4	9,440	\$ 49,44
Section 1	Task 2: Labor Compilance Program																		70)	\$ 5,600 \$ 168		\$	5,768	\$ 5,76
See Control of Land Produce Taxonal Not recorded See Control of Land Produce Taxonal Not recorded See Control of Land Produce Taxonal Not recorded See Control of Land Produce Taxonal Link & Produce Taxonal Produce Taxonal Link &	Task 3: Reporting																		70)	\$ 5,600 \$ 168		\$	5,768	\$ 5,76
Name of the second proper prop	Subtotal																				\$ 59,200 \$ 1,776		\$ 6	,976	\$ 60,97
Contractive Provincing Projection	Budget Category (b): Land Purchase/Easement		·																						4
Task Penderson of Controller Cont	Not needed																								╛
Task 5. From Bodge Task 1. September 1. Sep	Budget Category (c): Planning/Design/Engineering/ Environmental Documentation																								4
Take f. Farinmental Demonstration 1	Task 4: Assessment and Evaluation																				\$ - \$ -		\$	-	\$
Tak 5. Permitting 1	Task 5: Final Design	40	200	80	400	20													20	60	\$ 106,400 \$ 3,192		\$ 10	0,592	\$ 109,59
Substitution Subs	Task 6: Environmental Documentation										20	60	60	0 80	20	20			20	40	\$ 31,600 \$ 948		\$ 3:	2,548	\$ 32,54
Substition 1 Substition 1 Substitution 1 Su	Task 7: Permitting		20								20	100	100	0 20	10	10				5	\$ 32,100 \$ 963		\$ 3:	3,063	\$ 33,06
Contingency (25°4) Substitution						•				<u>'</u>										•			\$ 17:	5,203	\$ 175.20
Substitution Subs	Contingency (25%)										0.25														
Task 8: Construction Constructio	* * * * * * * * * * * * * * * * * * * *																								
Task 8: Construction 10 50																							1	,	I,
Task 9: Construction		10	80																20	60	\$ 22,250 \$ 668			\$ 22,918	\$ 22,91
Subask 9.2 Project Construction Subask 9.2 Project Construction Subask 9.3 Performance Testing and Demobilization Subask 9.4 Monitoring system Subtoal																		•			\$ - \$ -				1
Subask 9.2 Project Construction Subask 9.2 Project Construction Subask 9.3 Performance Testing and Demobilization Subask 9.4 Monitoring system Subtoal																					\$ - \$ -				1
Subask 9.3 Performance Testing and Demobilization																					s - s -				
Subtask 9.4 Monitoring system		1																			s - s -				
Subtotal																					s - s -			Ψ 27,000	J 27,000
Task 10: Environmental Compliance/Mitigation/Enhancement	·		11		<u>ı </u>			1	1			<u> </u>	1	1	1	<u>I</u>				I.	\$ 22,250 \$ 668			\$ 1.107.918	- 3 \$ 1.107.91
Task 10: Environmental Compliance/Mitigation/Enhancement																					T 22,200 T 000			Ψ 1,107,510	1,10,,,1
Contingency (25%) Subtotal Subject Category (f): Construction Administration Task 11: Construction Administration Total Hours 0.25 Subject Category (f): Construction Administration 12,500 Subject Category (f): Construction Administration Subject Category (f): Construction Administration Total Hours 0.25 Subject Category (f): Construction Administration Subject Category (f): Construction Administrat													100								\$ 10,000 \$ 200		\$ 1	300	\$ 10.20
Subtotal \$ 12,500 \$ 375 \$ 12,875 \$ - \$ 12,87			1		<u> </u>			1			0.25	1	100	4	1	<u>I</u>	<u>ı</u>			1					
Task 11: Construction Administration 20 100 80 400 20 0 0 0 0 0 40 160 1140 100 30 30 0 0 840 365 3,675											0.25													,	
Task 11: Construction Administration 20 100 880 40 200 \$ 132,300 \$ 132,300 \$ 132,300 Total Hours 70 400 80 400 20 0 0 0 40 100 30 30 0 0 840 365 3,675																					\$ 12,500 \$ 375		\$ 1	2,875 \$ -	\$ 12,87
Total Hours 70 400 80 400 20 0 0 0 0 40 160 1140 100 30 30 0 0 840 365 3,675																									4
	Task 11: Construction Administration	20	100										880)					40	200			\$ 13	2,300	\$ 132,30
\$\frac{1.53.000}{\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$		70	_	80			0	0	0	0	40					-	0	0							4
The second of th	Total Costs	\$ 12,950	\$ 70,000	\$ 12,400	\$ 44,000	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ 5,600	\$ 19,200	\$ 114,000	\$ 10,000	\$ 2,400	\$ 1,800	\$ -	\$ -	\$ 67,200	\$ 29,200	\$ 389,950 \$ 13,049		\$ 42	\$ 1,108,000	\$ 1,533,000